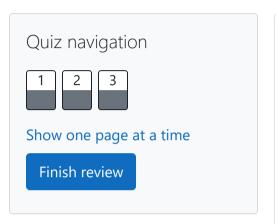
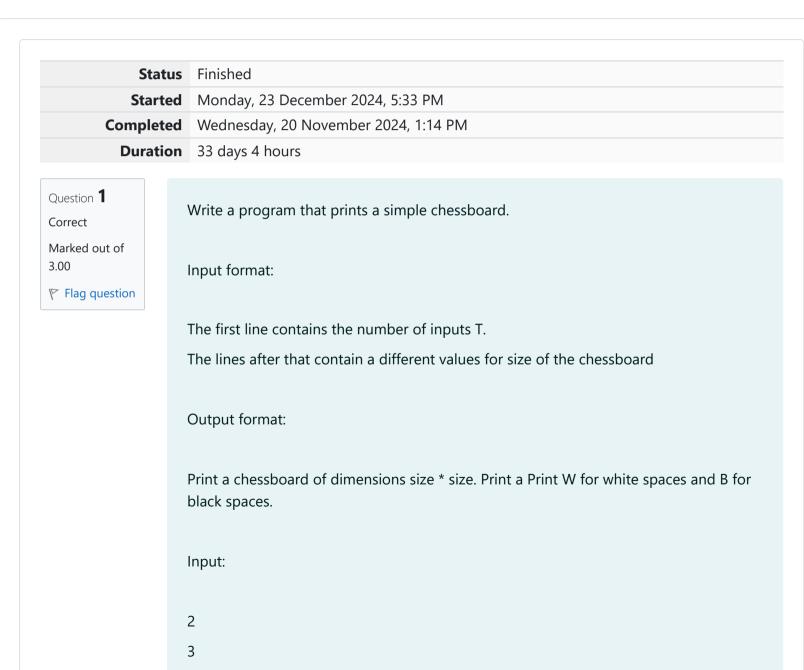
GE23131-Programming Using C-2024





WBW **BWB** WBW **WBWBW BWBWB WBWBW BWBWB WBWBW Answer:** (penalty regime: 0 %) 1 #include<stdio.h> 2 int main() 3 🔻 int x,s; scanf("%d",&x); while(x--) 7 🔻 scanf("%d",&s); 8 9 for(int i=0;i<s;i++)</pre> 10 1 11 for(int j=0;j<s;j++)</pre> 12 🔻 13 if((i+j)%2==0) 14 🔻 printf("W"); 15 16 else 17 18 🔻 printf("B"); 19 20

Output:

```
24 | }
25 | return 0;
26 |}
```

	Input	Expected	Got	
~	2	WBW	WBW	~
	3	BWB	BWB	
	5	WBW	WBW	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	

Passed all tests! ✓

Question **2**

Correct

Marked out of 5.00

▼ Flag question

Let's print a chessboard!

Write a program that takes input:

The first line contains T, the number of test cases

Each test case contains an integer N and also the starting character of the chessboard

Output Format

```
Input:
2
2 W
3 B
Output:
WB
BW
BWB
WBW
BWB
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
      int main()
    2
    3 ₹ {
           int a,b;
           char ch;
           scanf("%d",&a);
           while(a--)
    8 🔻
               scanf("%d %c",&b,&ch);
    9
               for(int i=0;i<b;i++)</pre>
  10
   11 🔻
  12
                   for(int j=0;j<b;j++)</pre>
```

Sample Input / Output

```
if((i+j)%2==0)
16
17 🔻
                              printf("W");
18
19
                          else
20
21 🔻
22
                              printf("B");
23
24
25
                     else
26 🔻
                          if((i+j)%2==0)
27
28 🔻
29
                              printf("B");
30
                          else
31
32 🔻
                              printf("W");
33
34
35
36
                 printf("\n");
37
38
39
40
        return 0;
41
```

	Input	Expected	Got	
~	2	WB	WB	~
	2 W	BW	BW	
	3 B	BWB	BWB	
		WBW	WBW	
		BWB	BWB	

Question **3**

Correct

Marked out of 7.00

▼ Flag question

Decode the logic and print the Pattern that corresponds to given input.

If N= 3

then pattern will be:

10203010011012

**4050809

****607

If N= 4, then pattern will be:

1020304017018019020

**50607014015016

****809012013

*****10011

Constraints

2 <= N <= 100

Input Format

Output First line print Case #i where i is the test case number In the subsequent line, print the pattern Test Case 1 3 3 5 Output Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 *****10011

```
**6070809022023024025
****10011012019020021
*****13014017018
******15016
Answer: (penalty regime: 0 %)
       #include<stdio.h>
       int main()
    2
    3 ▼
            int p,q,r,s,t=1,u,ans,v;
            scanf("%d",&p);
            while(t<=p)</pre>
    7 🔻
                 scanf("%d",&q);
    8
                 printf("Case #%d \n",t);
    9
   10
                 s=1;
   11
                 u=1;
                 v=<mark>0</mark>;
   12
   13
                 while(s<=q)</pre>
   14 🔻
   15
                     r=1;
   16
                     ans=(q*q);
   17
                     ans=ans-v;
   18
                     while(r<=2*q)</pre>
   19 🔻
   20
                          if(r<=q)
   21 1
   22
                               if(r<s)</pre>
   23 🔻
                               printf("**");
   24
   25
   26
                          else if(r<=q)</pre>
   27 1
                               printf("%d",u*10);
   28
   29
                               u++;
   30
```

```
34
                     if((r+s)==(2*q)+1)
35 🔻
                         printf("%d",(ans+s));
36
37
                         ans++;
38
                         ۷++;
39
                     else if(r+s <= (2*q)+1)
40
41 🔻
                         printf("%d",(ans+s)*10);
42
43
                         ans++;
44
                         v++;
45
46
47
                r++;
48
49
            s++;
            printf("\n");
50
51
        t++;
52
```

Input Expected

Got

